

2834

PATENT APPLICATION

In re the Application of

Keiji TAKAHASHI et al.

Application No.: 09/891,222

Filed: June 26, 2001

Docket No.: 111343

For: VOLTAGE REGULATOR OF VEHICLE AC GENERATOR

SUBMISSION OF POWER OF ATTORNEY BY ASSIGNEE

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Enclosed is a Power of Attorney by Assignee to be made of record in the above-identified application.

In the event of any nonpayment or improper payment of a required fee, the Director is authorized to charge or to credit OLIFF & BERRIDGE, PLC Deposit Account No. 15-0461 as required to correct the error.

Respectfully submitted,


James A. O'Neill
Registration No. 27,075

Thomas J. Pardini
Registration No. 30,411

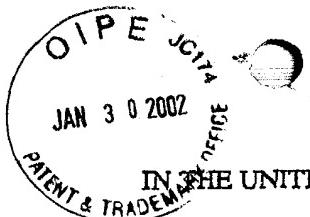
JAO:TJP/kaw

Date: January 30, 2002

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

POWER OF ATTORNEY BY ASSIGNEE

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Denso Corporation is the Assignee of the entire right, title and interest in the patent applications identified in the attached Appendix A by virtue of Assignments recorded at the locations identified in the Appendix. Additionally, Denso Corporation is the Assignee of the entire right, title and interest in the following three patent applications for which Assignments have been filed, but the original Assignments, indicating the dates and reel and frame numbers of recordation, have not yet been returned.:.

<u>U.S. Patent Application No.</u>	<u>Filed</u>	<u>Inventors</u>
09/891,222	June 26, 2001	Keiji TAKAHASHI et al.
09/925,373	August 10, 2001	Naoki YAMAMOTO et al.
09/893,417	June 29, 2001	Makoto TANIGUCHI et al.

Copies of the Recordation Cover Sheets and executed Assignments as filed for these applications are attached hereto.

The undersigned is authorized to act on behalf of Denso Corporation; has reviewed the evidentiary documents in the chain of title; and certifies that to the best of the Assignee's knowledge and belief, title is in the Assignee.

Denso Corporation hereby revokes all prior powers of attorney and appoints the following as attorneys of record with full power of substitution and revocation to prosecute this application and all continuations and divisions thereof, and to transact all business in the Patent and Trademark Office:

James A. Oliff, Registration No. 27,075;
William P. Berridge, Registration No. 30,024;
Kirk M. Hudson, Registration No. 27,562;
Thomas J. Pardini, Registration No. 30,411;
Edward P. Walker, Registration No. 31,450;
Robert A. Miller, Registration No. 32,771;
Mario A. Costantino, Registration No. 33,565;
Stephen J. Roe, Registration No. 34,463;
Joel S. Armstrong, Registration No. 36,430;
Christopher W. Brown, Registration No. 38,025;
Richard E. Rice, Registration No. 31,560; and
Paul Tsou, Registration No. 37,956.

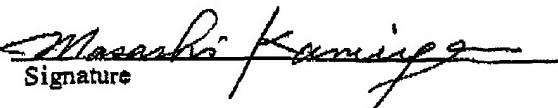
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ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION
SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA,
VIRGINIA 22320. TELEPHONE: (703) 836-6400.

Jan. 30, 2002
Date


Signature

Typed Name: Masashi Kuniya

Title: General Manager

APPENDIX A

<u>U.S. Patent Application Serial No.</u>	<u>Filed</u>	<u>Oliff & Berridge, PLC Docket No.</u>	<u>Reel/Frame No.</u>
09/736,251	December 15, 2000	111275	011366/0518
09/576,631	May 24, 2000	111338	010823/0867
09/620,906	July 20, 2000	111339	010954/0395
09/740,038	December 20, 2000	111340	011711/0918
09/742,292	December 22, 2000	111341	011654/0986
09/466,477	December 17, 1999	111347	010468/0948

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Pillsbury Winthrop LLP

Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

USA Patent Appn.
Sole or Joint

For inventions made outside USA
executed with or after application
Atty. Dkt. PW 60303-US-
SUS/nh Client Ref.

M#

NONPROVISIONAL

NONPROVISIONAL

ASSIGNMENT OF NONPROVISIONAL APPLICATION

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT

NAME(S) OF
INVENTOR(S)

(1) Keiji TAKAHASHI

(3) Makoto TANIGUCHI

(5)

(2) Toshinori MARUYAMA

(4)

x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT

NAME(S) OF
ASSESSNEE(S)
& ADDRESS(ES)

DENSO CORPORATION

1-1, Showa-cho, Karlya-city, Aichi-pref., 448-8661 Japan

(hereinafter designated 'ASSESSNEE') the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

VOLTAGE REGULATOR OF VEHICLE AC GENERATOR

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →

(Complete

line A, B and/or C)

- (A) even date herewith
(B) on _____
(C) in U.S. Appln. No. _____ / _____ filed _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the hereinbelow set on behalf of said ASSESSNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSESSNEE, its successors, assigns and legal representatives, deemed essential by ASSESSNEE to ASSESSNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

- 1): Keiji TAKAHASHI
Name: Keiji TAKAHASHI
2): Toshinori MARUYAMA
Name: Toshinori MARUYAMA
3): Makoto TANIGUCHI
Name: Makoto TANIGUCHI
4):
Name:
5):
Name:

DATE SIGNED

June 29, 2001

WITNESSES

Hiroshi Ishida

June 29, 2001

Hiroshi Ishida

June 29, 2001

Hiroshi Ishida

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Pillsbury Winthrop LLP
Intellectual Property Group
1100 New York Avenue, NW
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Washington, DC 20005-3918

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Atty. Dkt. PW 57249-US-SN/rh
M# Client Ref.

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ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT

NAME(S) OF
INVENTOR(S)

(1) Naoki YAMAMOTO	(2) Makoto TANIGUCHI
(3) Hitoshi IRIE	(4)
(5)	<input type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT

NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

DENSO CORPORATION

1-1, Showa-cho, Karlya-city, Aichi-pref., 448-8661 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof, and all resulting patents, known as

TITLE OF
INVENTION

VOLTAGE CONTROL APPARATUS FOR VEHICLE AC GENERATOR

for which the undersigned executed an application for Letters Patents of the United States of America;

NOTE → →
(Complete
line A, B and/or C)

- (A) even date herewith
(B) on _____
(C) In U.S. Appln. No. / filed _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the hereinafter set on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.
NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

1): Name: Naoki Yamamoto
2): Name: Makoto Taniguchi
3): Name: Hitoshi Irie
4): Name:
5): Name:

DATE SIGNED

August 6, 2001
August, 6, 2001
August, 6, 2001

WITNESSES

Hiroyuki Nakada
Hiroyuki Nakada
Hiroyuki Nakada

Please return signed/recorderd to:

Pillsbury Winthrop LLP
Intellectual Property Group
1600 Tysons Boulevard
McLean VA 22102

USA Patent Appln.
Sole or Joint

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Atty. Dkt. PW 56759-US-SN/mo
Att# Client Ref.

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**ASSIGNMENT
OF NONPROVISIONAL APPLICATION**

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT
NAME(S) OF
INVENTOR(S)

(1) Makoto TANIGUCHI	(2) Tomoya OKUNO
(3) Koji TANAKA	(4)
(5)	<input type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT
NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

DENSO CORPORATION
1-1, Showa-cho, Karlya-city, Aichi-pref., 448-8661 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

VEHICLE ALTERNATOR

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → → (A) even date herewith
(Complete) (B) on _____
line A, B and/or C) (C) In U.S. Appln. No. / filed _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE's full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

DATE SIGNED

WITNESSES

1): Name: Makoto TANIGUCHI	<u>Makoto Taniguchi</u>	<u>June 20, 2001</u>	<u>Hiroshi Ishida</u>
2): Name: Tomoya OKUNO	<u>Tomoya Okuno</u>	<u>June 20, 2001</u>	<u>Hiroshi Ishida</u>
3): Name: Koji TANAKA	<u>Koji Tanaka</u>	<u>June 21, 2001</u>	<u>Hiroshi Ishida</u>

BOX ASSIGNMENTS

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PATENT APPLICATIONS & PATENTS ONLY

TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:

SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) /ASSIGNORS(S):

1. Keiji TAKAHASHI

3. Makoto TANIGUCHI

5.

7.

2. Toshinori MARUYAMA

4.

6.

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:
NAME: DENSO CORPORATION

ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8681 Japan

3. ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one

document)

- ASSIGNMENT OF WHOLE PART INTEREST
 ORIGINAL FACSIMILE/PHOTOCOPY
 CHANGE OF NAME VERIFIED TRANSLATION
 SECURITY MERGER OTHER:

EXEC. DATE: June 29, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND
ASSIGNMENT DIFFER SEE ATTY!) June 29, 20014.5 APPL. NO.(S) OR PAT NO.(S), OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no.	M#	B. INVENTOR if not in item 5	C. PATENT NO(S) M#	D. INVENTOR if not in item 5
09/891,222	281490			

5. Name & Address of Party to Whom Correspondence
Concerning Document Should be Mailed:Pillsbury Winthrop LLP
Intellectual Property Group
1600 Tysons Boulevard
McLean, VA 22102

5.5 ATTY DKT: Tel: (703) 905-2000

P 281490 60303-US-SUS
MATTER NO. CLIENT REF.9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of
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Attorney: Paul T. Bowen

Reg. No. 38009

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TEL: (703) 905-2020

Date: October 29, 2001
FAX: (703) 905-2500

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1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S)):

1. Makoto TANIGUCHI
3. Toshinori MARUYAMA
5.
7.

2. Keiji TAKAHASHI
4.
6.
8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

2. PARTY(IES) (ASSEENEE(S)) RECEIVING INTEREST:

NAME: DENSO CORPORATION

ADDRESS: 1-1 Showa-cho, Kariya-city, Aichi-pref., 448-8581 JAPAN

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

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 SECURITY MERGER OTHER

EXEC. DATE: June 28, 2001

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4.5 APPL. NO.(S) OR PAT NO.(S), OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

4. APPL. NO.(S)	5. INVENTOR	6. PATENT NO.(S)	7. INVENTOR
NEW APPLICATION 0281516			

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Winthrop LLP
Intellectual Property Group
1800 Tysons Boulevard

McLean, VA 22102

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APPLNS 1 + PATS 0 = TOTAL 1

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P 0281518 MATTER NO.	56859-US-SN/SM CLIENT REF.			

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Signature

Attorney: Paul T. Bowen

Reg. No. 38009

Atty/Sec: PTE/BSI

TEL: (703) 905-2020

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